



Recommended Advanced Geometry Curriculum Framework

Content: MATHEMATICS – ADVANCED GEOMETRY						
Topic: Unit 11 Area 5days						
Content (What do your students need to KNOW?)	Demonstrators (What do your students need to be able to DO?)	Assessment (How will you assess what your students ALREADY KNOW, and assess WHAT THEY'VE LEARNED?)	Activities (HOW will you teach it?)	Resources (What MATERIALS will you need?)	Differentiation (How will you reach the DIVERSITY of learners?)	Literacy Connection (How will you use READING and WRITING with this material?)
<p>MA-H-2.2.6 Students will calculate surface area and volume of rectangular prisms, pyramids, cylinders, cones, and spheres in problem settings using given formulas.</p> <p>MA-H-2.3.4 Students will understand how a change in one or more dimensions of a geometric shape affects perimeter, area, volume, or surface area.</p> <p>MA-H-2.2.2 Students will classify two-dimensional and three-dimensional geometric figures according to their characteristics such as lengths of sides; angle measures; and number of sides, faces, edges, and vertices. Students will describe the intersection of a plane with a three-dimensional geometric figure.</p>	<p>Academic Expectations 1.5 - 1.9 Students use mathematical ideas and procedures to communicate, reason, and solve problems. 2.10 Students understand measurement concepts and use measurements appropriately and accurately. 2.9 Students understand space and dimensionality concepts and use them appropriately and accurately</p> <p>Program of Studies M-H-G-17 Students will use perimeter, circumference, and area of planar regions to determine volume and surface area of solids. Program of Studies M-H-G-16 Students will use relationships among one-, two-, and three-dimensional measures M-H-G-11 Students will use properties of other polygons. M-H-G-12 Students will use properties of circles, arcs, chords, central angles,</p>					

Content: MATHEMATICS – ADVANCED GEOMETRY

Topic: Unit 11 Area 5days

Content (What do your students need to KNOW?)	Demonstrators (What do your students need to be able to DO?)	Assessment (How will you assess what your students ALREADY KNOW, and assess WHAT THEY'VE LEARNED?)	Activities (HOW will you teach it?)	Resources (What MATERIALS will you need?)	Differentiation (How will you reach the DIVERSITY of learners?)	Literacy Connection (How will you use READING and WRITING with this material?)
	inscribed angles, and concentric circles					